AOI-0013

TERADYNE

TERADYNE, INC.
321 HARRISON AVENUE
BOSTON, MASSACHUSETTS 02118-2238
TELEPHONE 617-482-2700

The Performance Track Information Center
C/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

To Whom It Concerns:

Enclosed please find our completed application for admittance into the National Environmental Achievement Track Program. This application is being submitted on behalf of our Teradyne, Inc. facility located at:

Teradyne, Inc.
500 Riverpark Drive (Building 1)
North Reading, MA 01864

If you have any questions or require any additional information, please feel free to contact me at 617-422-3676.

Sincerely yours,

Kevin J. Olson
Environmental Engineer
Teradyne, Inc.

Encl. Completed National Environmental Achievement Track Application

TERADYNE

TERADYNE, INC.
321 HARRISON AVENUE
BOSTON, MASSACHUSETTS 02118-2238
TELEPHONE 617-482-2700

November 9, 2000

The Performance Track Information Center
C/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

To Whom It Concerns:

Enclosed please find two revised pages (pages 6 and 7) to our previously submitted application for the National Environmental Achievement Track Program. These revised pages should be included into the original application submitted on behalf of our Teradyne, Inc. facility located at:

Teradyne, Inc.
500 Riverpark Drive (Building 1)
North Reading, MA 01864

Please note, the specific revision is to our First Aspect of the Future Commitments, Section E.

If you have any questions or require any additional information, please feel free to contact me at 617-422-3676.

Sincerely yours,

Kevin J. Olson
Environmental Engineer
Teradyne, Inc.

Encl. Revised National Environmental Achievement Track Application, Pages 6 & 7

A01-0013

National Environmental Achievement Track

Application Form

Teradyne Inc.
Name of facility

Name of parent company (if any)

500 Riverpark Drive
Street address

Street address (continued)

North Reading, MA 01864
City/State/Zip code

Give us information about your contact person for the National Environmental Achievement Track Program.

Name Kevin Olson

Environmental Engineer

Phone (617) 422-3676

(617) 422-2290

E-mail kevin.olson@teradyne.com

Section A

Tell us about your facility.

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.

1 What do you do or make at your facility?

The assembly and testing of printed circuit boards used in the electronics industry.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
3825

NAICS
334515

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

☐ Fewer than 50

☐ 50-99

☒ 100-499

☐ 500-1,000

☐ More than 1,000

5 Does your facility have an EPA ID number(s)?

If yes, list in the right-hand column.

☒ Yes ☐ No

MAR000014118

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right ***or*** enclose a completed Checklist with your application.

See Attached List

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

Section B

Tell us about your EMS.

Why do we need this information?

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

1 Check ***yes*** if your EMS meets the requirements for each element below as defined in the instructions.

a. Environmental policy ☒ Yes

b. Planning ☒ Yes

c. Implementation and operation ☒ Yes

d. Checking and corrective action ☒ Yes

e. Management review ☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☐ Self-assessment

☐ GEMI ☐ Other

☐ CEMP

☒ Third-party assessment

☐ ISO 14001 Certification

☒ Other Corporate EMS Audit of the Division

Section C

Tell us about your past achievements and future commitments.

Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Recycled/Re-Used Material Use	zero	recycled CPU/Terminals	249	recycled CPU/Terminals

i. How is the current level an improvement over the previous level?

Our recycling program now includes the collection and recycling of all computer monitors and terminals generated at our facility.

ii. How did you achieve this improvement?

We established a recycling policy and established a process for collection of the computer monitors and terminals. We selected an off-site recycler and audited and approved their recycling process.

Kevin J. Olson
Env. Eng. 11/9/00

Section C, continued

Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Emissions of Toxics	zero capture	lead particulates	99.5% capture	lead particulates

i. How is the current level an improvement over the previous level?

We are now capturing 99.5% of all lead particulate emissions generated from our production processes.

ii. How did you achieve this improvement?

We installed electro-static precipitator units on each of the source ventilation lines which service our main production processes. Each unit has a rated capture efficency of 99.5%.

2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

Note to small facilities: If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

a. What is the aspect? Toxic Releases to Land

b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A: Absolute value — 2.5 tons of lead contaminated debris (Quantity/Units)

☐ Option B: In terms of units of production or output — (Quantity/Units)

A Provision to the First Aspect of the Future Commitments Section 2.

Kevin J. Olson 11/9/00
ENV. Eng.

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.	☒ Option A: Absolute value	.5 tons of lead contaminated debris (based on current operating levels (Quantity/Units)
	☐ Option B: In terms of units of production or output	(Quantity/Units)
e. How will you achieve this improvement?	We will eliminate sending the lead contaminated production debris generated at our facility to a hazardous waste landfill. All lead contaminated production debris will be sent for reclaimation at an approved lead recyling facility.	

Second aspect you've selected

a. What is the aspect?	Emissions of VOC's	
b. Is this aspect identified as significant in your EMS?	☒ Yes ☐ No	
c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.	☒ Option A: Absolute value	3 tons VOC emissions (Quantity/Units)
	☐ Option B: In terms of units of production or output	(Quantity/Units)
d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.	☒ Option A: Absolute value	1 ton VOC emissions (based on current operating levels) (Quantity/Units)
	☐ Option B: In terms of units of production or output	(Quantity/Units)
e. How will you achieve this improvement?	We will reduce the facility VOC emissions by: 1)eliminating the use of a vapor degreaser unit and 2) by replacing or restricting the use of an antiquated wave solder machine which currently uses IPA. (100% VOC).	

Third aspect you've selected

a. What is the aspect?

Recycled/Re-Used Material Use

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A: Absolute value — zero aerosol cans recycled (Quantity/Units)

☐ Option B: In terms of units of production or output — (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A: Absolute value — 900 aerosol cans recycled (based on current operating levels) (Quantity/Units)

☐ Option B: In terms of units of production or output — (Quantity/Units)

e. How will you achieve this improvement?

We will evaluate each of our production processes utlilizing aerosol products, establish collection procedures for empty containers, investigate the need for a propellant discharge system and select an off-site recycler for the scrap metal cans.

Fourth aspect you've selected

a. What is the aspect?

Recycled/Re-Used Materials Use

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A: Absolute value — zero tons of carbon/resin filter media (Quantity/Units)

☐ Option B: In terms of units of production or output — (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A: Absolute value — 6 tons of carbon/resin filter media (based on current operating levels) (Quantity/Units)

☐ Option B: In terms of units of production or output — (Quantity/Units)

e. How will you achieve this improvement?

We will evaluate each of our production processes utilizing carbon/resin filtration and determine the methods needed to recycle the media rather than dispose of it via a landfill.

Section D

Tell us about your public outreach and reporting.

Why do we need this information?

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

All community concerns/inquiries are addressed by a Division/Site Management Team in coordination with the E&S Department personnel. (Internal SEP-704)

2 How do you inform community members of important matters that affect them?

Information is communicated to the community via the local mechanisms; Fire Department, Board of Health, Zoning Board, Planning Board, Selectman Meeting, Public Hearings. Additionally, we have communicated information to the community through newspaper advertisements, open houses and sponsorship of local environmental advocacy groups.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website www.teradyne.com

☐ Newspaper

☐ Open Houses

☐ Other

4 Are there any ongoing citizen suits against your facility? ☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	Organization	*Name*	*Phone number*
Representative of a Community/ Citizen Group	Environmental League of Massachusetts	Mr. Jim Gomes	(617) 742-2553
	Ipswich River Watershed Association	Ms. Kerry Mackin	(978) 356-0418
State/Local Regulator	Massachusetts Department of Environmental Protection	Mr. Robert Boiselle	(617) 292-5500
	Massachusetts Department of Environmental Protection (Senior Counsel)	Ms. Gail McCarthy	(978) 661-7672
Other community/local reference	North Reading Fire Department	Deputy Chief Jim Brady	(978) 664-3112

Section E

Application and Participation Statement

On behalf of Teradyne Inc., 500 Riverpark, North Read

I certify that

I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;

I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;

My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;

My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;

Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date George Cary, 9/29/00

Printed Name/Title Mr. George Cary / V.P. Operations

Facility Name Teradyne Inc.

Facility Street Address 500 Riverpark Drive
North Reading, MA 01864

Facility ID Numbers MAR000014118

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail ptrack@indecon.com. Mail completed applications to:

The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

National Environmental Achievement Track

Environmental Requirements Checklist

The following Checklist is provided to assist facilities in answering Section A, "Tell us about your facility," Question 6. The Checklist is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The Checklist is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

Facility Name Teradyne Inc.
Facility Location: 500 Riverpark Drive, North Reading, MA (B1)
Facility ID Number(s): MAR000014118
(attach additional sheets if necessary)

Air Pollution Regulations	Check All That Apply
1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61)	☒
2. Permits and Registration of Air Pollution Sources	☒
3. General Emission Standards, Prohibitions and Restrictions	☒
4. Control of Incinerators	☐
5. Process Industry Emission Standards	☐
6. Control of Fuel Burning Equipment	☐
7. Control of VOCs	☐
8. Sampling, Testing and Reporting	☐
9. Visible Emissions Standards	☐
10. Control of Fugitive Dust	☐
11. Toxic Air Pollutants Control	☐
12. Vehicle Emissions Inspections and Testing	☐
Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above (identify)	
13.	☐
14.	☐

Hazardous Waste Management Regulations	
1. Identification and Listing of Hazardous Waste (40 CFR 261)	
- Characteristic Waste	☒
- Listed Waste	☒
2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)	
- Manifesting	☒

- Pre-transport requirements ☒
- Record keeping/reporting ☒

3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
   - Transfer facility requirements ☐
   - Manifest system and record-keeping ☐
   - Hazardous waste discharges ☐
4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
   - General facility standards ☐
   - Preparedness and prevention ☐
   - Contingency plan and emergency procedures ☐
   - Manifest system, Record keeping and reporting ☐
   - Groundwater protection ☐
   - Financial requirements ☐
   - Use and management of containers ☐
   - Tanks ☐
   - Waste piles ☐
   - Land treatment ☐
   - Incinerators ☐
5. Interim Status Standards for TSD Owners and Operators (40 CFR 265) ☐
6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267) ☐
7. Administered Permit Program (Part B) (40 CFR 270)

Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (identify)

8.
9.

Hazardous Materials Management

1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153) ☐
2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302) ☒
3. Hazardous Materials Transportation Regulations (49 CFR 172-173) ☒
4. Worker Right-to-Know Regulations (29 CFR 1910.1200) ☒
5. Community Right-to-Know Regulations (40 CFR 350-372) ☒

Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)

6. ☐
7. ☐

Solid Waste Management

1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257) ☐
2. Permit Requirements for Solid Waste Disposal Facilities ☐
3. Installation of Systems of Refuse Disposal ☐

4. Solid Waste Storage and Removal Requirements ☐
5. Disposal Requirements for Special Wastes ☐

Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)

6.
7.

Water Pollution Control Requirements

1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112) ☐
2. Designation of Hazardous Substances (40 CFR 116) ☒
3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117) ☒
4. NPDES Permit Requirements (40 CFR 122) ☐
5. Toxic Pollutant Effluent Standards (40 CFR 129) ☐
6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403) ☐
7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414) ☐
8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415)
9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416)
10. Water Quality Standards ☐
11. Effluent Limitations for Direct Dischargers ☐
12. Permit Monitoring/Reporting Requirements ☐
13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants ☐
14. Collection, Handling, Processing of Sewage Sludge ☐
15. Oil Discharge Containment, Control and Cleanup ☐
16. Standards Applicable to Indirect Discharges (Pretreatment) ☐

Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)

17. ☐
18. ☐

Drinking Water Regulations

1. Underground Injection and Control Regulations, Crieria and Standards (40 CFR 144, 146) ☐
2. National Primary Drinking Water Standards (40 CFR 141) ☐
3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141) ☐
4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources
5. Underground Injection Control Requirements ☐

6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems

Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above(identify)

7. ☐
8. ☐

Toxic Substances

Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704)

2. Import and Export of Chemicals (40 CFR 707) ☐
3. Chemical Substances Inventory Reporting Requirements (40 CFR 710) ☐
4. Chemical Information Rules (40 CFR 712) ☐
5. Health and Safety Data Reporting (40 CFR 716) ☐
6. Pre-Manufacture Notifications (40 CFR 720) ☐
7. PCB Distribution Use, Storage and Disposal (40 CFR 761) ☐
8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762) ☐
9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775) ☐

Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above (identify)

10. ☐
11. ☐

Pesticide Regulations

1. FIFRA Pesticide Use Classification (40 CFR 162) ☐
2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165) ☐
3. Certification of Pesticide Applications (40 CFR 171) ☐
4. Pesticide Licensing Requirements ☐
5. Labeling of Pesticides ☐
6. Pesticide Sales, Permits, Records, Application and Disposal Requirements ☐
7. Disposal of Pesticide Containers ☐
8. Restricted Use and Prohibited Pesticides ☐

Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (identify)

9. ☐
10. ☐

Environmental Clean-Up, Restoration, Corrective Action

Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify)

☐
☐

2. RCRA Corrective Action (identify) ☐

Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration, Corrective Action Regulations Not Listed Above (identify)

3. ☐
4. ☐